CREATIVE®

User's Guide

NOMAD® MuVo™ NX

NOMAD MuVo NX

User's Guide

Creative NOMAD MuVo NX

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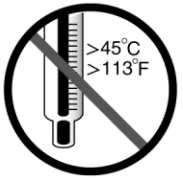
Safety and Handling Instructions

Caring For Your Player

While your player is quite robust, observing these handling procedures will prolong its life.



Do not store or use in areas exceeding 45ºC or 113ºF.

Do not subject to excessive force or impact.

Do not expose to heat or incinerate.

Keep away from excessive moisture.

Keep away from strong magnetic fields.

Do not dismantle.

Introduction

Congratulations on making an excellent decision in purchasing the Creative NOMAD® MuVo® NX!

Your new multi-format portable player allows you to store songs in the player's music library and also comes equipped with an USB 1.1™ connector, so you can transfer audio tracks and data quickly and easily.

Your player also supports Advanced EQ features for audio enhancement. Your portable digital audio player supports multiple audio file formats, including MP3 and WMA*.

* *For more information on DRM-protected WMA files, see "Digital Rights Management" on page C-5.*

Before You Begin

Package Contents

The package contents listed here may differ from country to country.

- NOMAD MuVo NX Player (consists of one USB Flash Drive and one battery module)
- Additional battery module
- Armband
- Installation CD incorporating PDF User's Guide
- Quick Start Guide leaflet
- Stereo headphones
- One AAA size battery

Software Included

- Creative Media Detector
- Creative MediaSource
- Adobe Acrobat Reader

Creative Media Detector

Media Detector makes it easy for you to access multimedia content from various internal or external media. There is no need to hunt through a maze of different software to play different types of files.

Media Detector automatically recognizes the insertion or connection of CDs, VCDs, and external devices like Creative NOMAD MP3 players. Upon recognition, the content in the media will automatically start playing.

Creative MediaSource

Creative MediaSource is your ultimate all-in-one digital entertainment software, designed for playing, creating, organizing and transferring digital music. It includes several applications like the Player and Organizer.

For more information and usage details on Creative MediaSource, refer to its online Help.

Creative MediaSource Player

Unlike other media players, Creative MediaSource Player provides exclusive features (such as SmartFit), specially designed to manage and configure your NOMAD MuVo NX more efficiently. With Creative MediaSource Player, you can play back a wide variety of digital audio and video formats such as MP3, WMA, WAV, Audio CD, Midi, VCD, AVI and MPEG-1 on the computer. You can also use the integrated recorder in Creative MediaSource to record audio.

Creative MediaSource Organizer

The Organizer can be considered an extended view of the Player, as it provides additional features to help you manage a huge music library more easily. With it, you can:

- rip Audio CDs and create high quality digital audio files (up to 320 kbps for MP3 and 160 kbps for WMA)
- configure the settings for the NOMAD MuVo NX while it is plugged-in to Creative MediaSource
- "squeeze" more audio tracks into your player with SmartFit, which employs intelligent track management and WMA compression
- view the contents of your computer and your NOMAD MuVo NX using the dual-window transfer panel, convenient for file transfer
- locate songs in a few seconds, just by typing some keywords into the sophisticated music search engine

Adobe Acrobat Reader

Adobe Acrobat Reader is a software that lets you view and print Adobe Portable Document Format (PDF) files on all major computer platforms.

Minimum System Requirements

The software applications on the installation CD may have higher requirements for basic functionality. Refer to each application's documentation for details.

- Microsoft® Windows® 98 Second Edition (SE), Windows 2000, Windows Millennium Edition (Me) or Windows XP
- Intel® Pentium® II 350 MHz, AMD® K6-2® 450 MHz or better processor (Pentium III 450 MHz or higher recommended for MP3 encoding)
- CD-ROM drive with digital audio extraction support
- USB 1.1 port
- 64 MB RAM (128 MB recommended)
- 30 MB free hard disk space (more needed for storing audio)
- Installed mouse
- SVGA graphics adapter (256 colors, 800 x 600 resolution or better)

Document Conventions

We use icons to highlight useful or urgent information for you:

Tip. This tells you about shortcuts or hints relating to a feature.

Note. This highlights additional or important information about a feature.

Caution! This highlights proper usage of your player. Use this information to avoid situations involving risk.

Warning! This warns you of possible hazards to yourself or your player, which may result in injury or damage.

Web Information

The driver updates only work with NOMAD MuVo NX players. Do not install these updates if you own a NOMAD MuVo player.

Visit www.NOMADworld.com regularly for information on:

- firmware updates
- NOMAD accessories
- tips and tricks
- FAQs
- troubleshooting
- documentation updates
- software updates or purchases
- technologies used in your player
- an online glossary

Online Registration

Enjoy a host of benefits by registering your product during installation, or at www.creative.com/register.

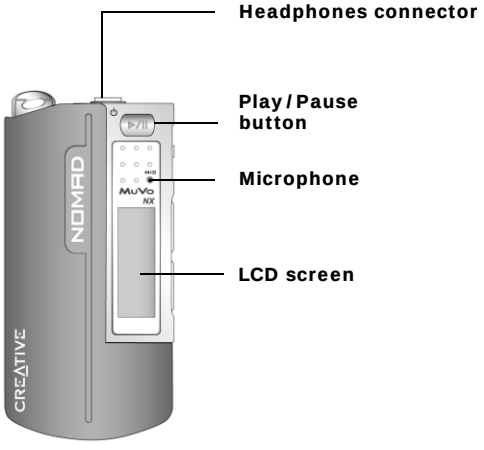
Benefits include:

- Service and Product support from Creative
- Exclusive updates on promotions and events

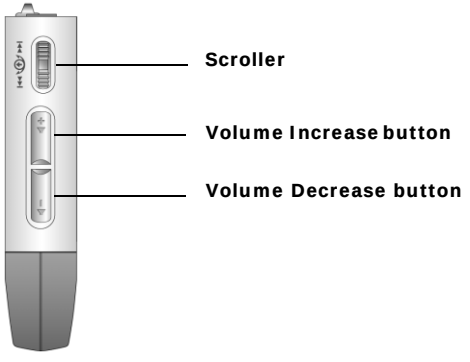
1 A Tour of Your Player

A Tour of Your Player

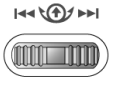
Your Player at a Glance



Front View



Side View

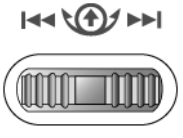
Button	What It Does	Usage Tips
PLAY / PAUSE	❍ turns the player on and off ❍ activates LCD backlight ❍ starts, pauses or continues playback	❍ press and hold until player turns on or off ❍ when your player is locked, press to turn LCD backlight on
VOLUME INCREASE	❍ increases the volume	❍ press and hold to increase the volume quickly
VOLUME DECREASE	❍ decreases the volume	❍ press and hold to decrease the volume quickly
SCROLLER 	❍ skips to the previous/next track ❍ fast-forwards/rewinds a track ❍ scrolls through menu options ❍ selects menu options	❍ during playback, turn the Scroller to go to the previous or next track. ❍ during playback, turn and hold the Scroller to fast-forward or rewind the track ❍ turn the Scroller to scroll through menu options and press the Scroller to select them. This action is also referred to as "Scroll Select"

Using the Scroller

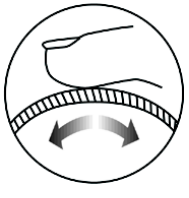
Scroll Select

To "Scroll Select", use the Scroller to scroll to the option you want, and select the option by pressing the Scroller.

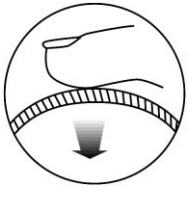
The Scroller is one of the most important features of your NOMAD MuVo NX. In this document, we will use a new term, “Scroll Select”, to indicate that you should use the Scroller to scroll through options and then select the option by pressing the Scroller.



The Scroller (side view)



Use the Scroller to scroll through options



Press the Scroller to select an option

Depending on the screen you are in, you can have different menu options. You can also choose options from a list or a confirmation box.

Selecting menu options

You can use the Scroller to make selections in menus. For example, if you are looking at the Menu screen:

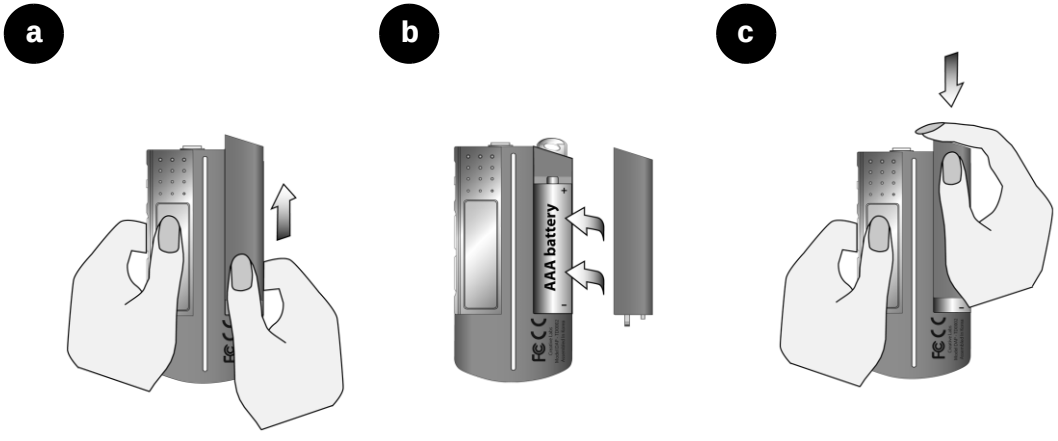
From the **Menu** screen to the **Play Mode Options** screen

1. Use the Scroller to scroll through the menu options.
2. Press the Scroller to select the menu item.

2 Getting Started

Getting Started

Inserting the Battery



Power Source and Level Indicators

The amount of playback time available depends on various factors (for example, type of headphones used). For more information, see "Usage" on page C-3.

After inserting the battery, your player displays one of the following icons, depending on the battery's status.

Icon	What the icon means	Notes
	❍ your player's battery is full	❍ this battery state icon shows that the battery is full
	❍ your player's battery is 60% full	
	❍ your player's battery is 30% full	
	❍ your player's battery is nearly empty	❍ change the battery at the earliest opportunity

Installing Drivers and Software

Windows 98 SE users must install the drivers to transfer tracks or files to the player.

To install the software, Windows 2000/XP users must log in as the computer administrator. For more information, refer to your operating system's online Help.

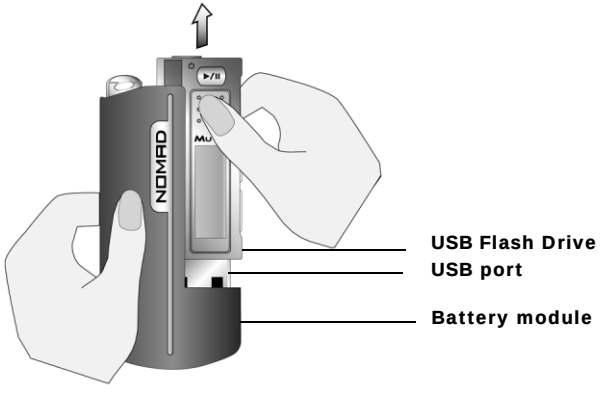
Your NOMAD MuVo NX comes with drivers for all operating systems, together with software that helps you create audio tracks, manage your music library and use your player.

1. Make sure that your player is not connected to your computer.
2. Insert the Installation CD into your CD-ROM drive.
   The disc supports Windows AutoPlay mode and starts running automatically. If not, you need to enable your CD-ROM drive's auto-insert notification feature. For more details see "AutoPlay" on page C-1.
3. Click the **Install software for NOMAD MuVo NX** option to select it.
4. Click the **OK** button.
5. Follow the onscreen instructions to complete the installation.
6. If prompted, restart your computer.

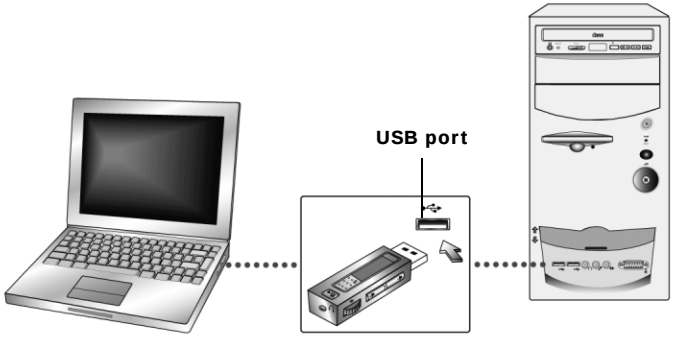
Connecting the USB Flash Drive to your Computer

You are now ready to connect your player to your computer. Your NOMAD MuVo NX comes with a USB 1.1 port for data transfers to and from your computer. Be sure that you have installed Creative MediaSource before connecting your player. To transfer audio or data files to your player, refer to "Transferring Tracks or Files" on page 3-3.

a



b



3 Transferring Tracks or Files

Transferring Tracks or Files

To listen to transferred audio tracks, your player must be in Music mode. For more information, refer to "Using Your Player" on page 4-1.

Before disconnecting your player from your computer, make sure that you stop your player properly first (see "Usage" on page C-3" for more details).

Creative MediaSource is included on your installation CD (see "Installing Drivers and Software" on page 2-3).

Creative MediaSource is the best way to organize and transfer audio to and from your player. This chapter includes basic instructions on using MediaSource to rip audio CDs, transfer tracks by manual selection, edit track information as well as to create and edit playlists. Alternatively, you can use Windows Explorer to transfer tracks/files.

If you wish to download additional music tracks to your player, you can either download music tracks from Internet music sites (see "Downloading from the internet" on page 3-2) or have them "ripped" from audio CDs to your computer.

Music files must, however, be encoded into the supported formats (MP3 or WMA file formats), then transferred to your player with Creative MediaSource Organizer.

Data files can also be transferred and stored in your player. For example, if you want to transfer a large presentation or graphic file from one computer to another.

Downloading from the internet

It is illegal to encode MP3 files for trade or sale unless you have the express or explicit permission of the copyright holder(s).

To get MP3 files from the Internet, use a search engine to locate sites with MP3 content. You can also try out these sites (web sites listed here are correct at the time of this document's release):

- NOMADWorld
  http://www.NOMADworld.com
- SoundClick.com
  http://www.soundclick.com
- Epitonic.com
  http://www.epitonic.com
- AMP3.com
  http://www.amp3.com
- ArtistOne.com
  http://www.artistone.com
- Soundbuzz.com
  http://www.soundbuzz.com

Follow the instructions on the site and download the music files to your computer.

Creative MediaSource

Only basic instructions on how to use MediaSource with your player are provided in this chapter— extensive instructions are found in the MediaSource Help file.

Transferring Tracks or Files

You must restart your computer before trying out any of the installed applications.

With Creative MediaSource, you can transfer files and audio tracks to and from your player.

Using Creative MediaSource

1. If you are not already in Creative MediaSource Organizer, click the **Player/Organizer View** button.
2. Click the **Show/Hide Right Panel** button.
3. In the **Sources** window, select the source device.
   If you are transferring files from PC Music Library to a portable hard disk, select PC Music Library as your source.
4. In the **Content** window, select the tracks to transfer.
   CTRL-click to select multiple tracks.
5. In the **Right Panel** window, click the **Source** bar and select the destination.
6. Click the **Destination Transfer** button to transfer the selected tracks.
   The **Now Transferring** dialog box appears, showing the current transfer status.

Using Windows Explorer

1. On your desktop, right-click the **My Computer** icon, and then click **Explore**.
2. Drag and drop tracks/files into your player.

Editing audio track information

You may need to edit track information when the information is incomplete or wrong.

To edit information about a track

1. If you are not already in Creative MediaSource Organizer, click the **Player/Organizer View** button.
2. In the **Content** window, locate the track you want to edit, and right-click it.
3. Select the **Properties** option. A dialog box appears.
4. Select the **Tag Information** tab.
5. Click on any of the track properties under the **Property** column. The entire row of information is highlighted.
6. Click on information in the **Value** field to edit the information.
7. Repeat steps 5 and 6 to change other track properties.
8. Click the **OK** button when all changes have been made.
   The new track information will be stored.

To edit information about multiple tracks

1. If you are not already in Creative MediaSource Organizer, click the **Player/Organizer View** button.
2. In the **Content** window, locate the tracks you want to edit, hold down the CTRL key and select them.
3. Right-click to edit the Album, Artist or Genre.
4. Type in the new Album, Artist or Genre.
5. Click the **OK** button.

Ripping Audio CD Tracks

Rather than manually entering track information, retrieve such audio CD information from CDDB before ripping tracks.

Change the default ripping format and bitrate for higher or lower quality audio. See MediaSource's Help file for details

The first phase in making an MP3 file is extracting audio data from an audio CD. To extract audio data, you will need a CD-ROM drive that can extract digital audio data, and a program known as a Ripper. With Creative MediaSource Organizer, you can rip tracks from most audio CDs. This program uses the CD-ROM drive to read the audio tracks from the audio CD and stores it on your hard disk.

The time needed for a successful audio extraction depends on:

- CD-ROM drive speed
- defects, like scratches on the audio CD
- error-checking features on the CD-ROM drive

Encoding is the second phase of making an MP3 file. Encoders are used to convert the stored audio tracks, usually WAV files, into MP3 files. MP3 encoding is considered lossy compression, which means that some data is lost during compression. However, using the standard sampling rate and bitrates will ensure that your MP3 files retain much of their audio quality. The standard bitrate of most MP3 files is 128 Kbps, although some are set higher, at 160 or 192 Kbps. Higher bitrates will result in larger MP3 file sizes, with better audio quality. Use Creative MediaSource Organizer to extract audio tracks and encode MP3s.

You can rip an audio CD's tracks to your player, hard disk or PC Music Library. You can choose to rip an entire CD, or selected tracks from the audio CD.

To rip a CD

1. Insert an audio CD into your CD-ROM drive.
2. If you are not already in Creative MediaSource Organizer, click the **Player/Organizer View** button.
3. In the **Sources** window, select **[E:] Audio CD** (where E: represents your CD-ROM drive).
4. In the **Task** bar, click the **Rip Now** button.

To rip tracks from an audio CD

1. Insert an audio CD into your CD-ROM drive.
2. If you are not already in Creative MediaSource Organizer, click the **Player/Organizer View** button.
3. In the **Sources** window, select **[E:] Audio CD** (where E: represents your CD-ROM drive).
4. In the **Content** window, select the tracks to rip.
   Ctrl-click or Shift-click to select multiple tracks.
5. Drag the selected tracks to PC Music Library in the **Source** window.
   The **Transfer Queue** dialog box appears, showing the current ripping status.

4 Using Your Player

Using Your Player

Your player can function in **Music** or **Voice** mode. In **Music** mode, only .MP3 or .WMA files are played back and in **Voice** mode, only recorded voice files are played back. To switch between modes, see "Music Playback" on page 4-2.

Your player also has Play Modes that allow you to change how your tracks are played back. For more information, see "Play Modes" on page 4-4.

Turning On/Off your Player

Remember to unplug the USB Flash Drive from your computer and insert it into the battery module before turning on the player.

To turn on your player

Press and hold the **Play/Pause** button until your player turns on.

The **CREATIVE** logo appears onscreen, followed by the **MuVo NX** logo. Music tracks stored in your player are automatically played back.

To turn off your player

Press and hold the **Play/Pause** button for a few seconds until after the **Power off** message disappears.

If your player contains no audio tracks, the message "No Music" or "No Voice" will appear onscreen, depending on whether you are in Music or Voice mode.

Audio track filenames are sorted in alphanumeric order.

Music Playback

To add audio tracks to your player, see "Transferring Tracks or Files" on page 3-3.

If you are in **Voice** mode and the **Voice Mode** icon appears onscreen, do the following to return to **Music** mode.

To enable Music mode

1. Press the Scroller.
   The Main Menu (Figure 4-1) appears.

Figure 4-1

2. Scroll Select the **Music** icon (Figure 4-2).

Figure 4-2

If you are in **Music** mode and the **Music Mode** icon appears onscreen, do the following to return to **Voice** mode.

To enable Voice mode

1. Press the Scroller.
   The Main Menu (Figure 4-3) appears.

Figure 4-3

2. Scroll Select the **Voice** icon (Figure 4-4).

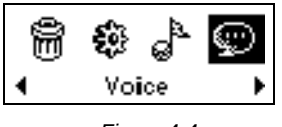
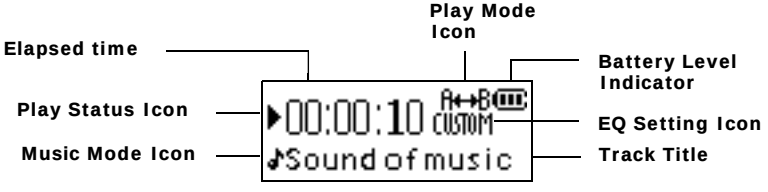


Figure 4-4

Playing music tracks

Follow these steps to play music tracks.

1. Press the **Play/Pause** button ►/II for a few seconds.
   The **Creative MuVo NX** logo appears onscreen, and music tracks stored in your player are automatically played back.



To pause a track

Press the **Play/Pause** button ►/II .

To stop a track

Press the **Play/Pause** button ►/II to pause the track, and then push the Scroller forward. The **Stop** icon ■ appears onscreen.

Play Modes

Only one Play Mode can be enabled at a time.

Your player has Play Modes that allow you to change how your tracks are played back.

The following Play Modes are available:

- A-B
- Repeat Track
- Repeat All
- Repeat Folder
- Track Once
- Shuffle Repeat
- Shuffle Once
- Shuffle Folder
- Normal

Play Modes are disabled by setting the “Normal” mode as described in "Normal mode" on page 4-9.

Repeating music

You can choose to repeat a track, folder, all tracks or a portion of a track.

1. Press the Scroller.
   The Main Menu (Figure 4-5) appears.

Figure 4-5

2. Scroll Select the **Play Mode** icon. A list appears (Figure 4-6).
3. Depending on which mode you want, follow the corresponding step:

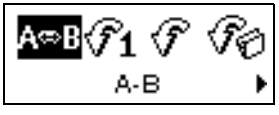


Figure 4-6

To repeat a track in the Playing List

Scroll Select the **Repeat Track** icon.
The **Repeat Track** icon appears onscreen and the track is repeated continuously until you stop it or skip to another track.

To repeat a folder

Scroll Select the **Repeat Folder** icon.

The **Repeat Folder** icon appears onscreen and tracks in the current folder is repeated continuously until you stop it or skip to another folder.

Repeat Folder Mode is only available in Music mode.

To repeat all tracks

Scroll Select the **Repeat All** icon.

The **Repeat All** icon appears onscreen and all tracks are repeated continuously until you stop playback.

To repeat a portion of a track

A portion of a track can only be repeated once; marking a new portion will automatically remove any markers in the track.

1. Scroll Select the **A-B** icon. The A⇔B icon appears, prompting you to select a start point for the portion of music to repeat.
2. Press the Scroller to mark the begining of the portion you wish to repeat.

   The A⇔B icon appears, prompting you to select an end point for the repeat function.
3. Press the Scroller again, to mark the end point of the portion of music to repeat. The marked portion of music is played back repeatedly.
4. To resume normal playback, enable “Normal” mode as described in "Normal mode" on page 4-9.

Shuffling music

The Shuffle Play Mode can be used to shuffle all tracks (or tracks in a folder) once, or to repeatedly shuffle all tracks.

1. Press the Scroller.
   The Main Menu (Figure 4-7) appears.

Figure 4-7

2. Scroll Select the **Play Mode** icon. A list appears (Figure 4-8).

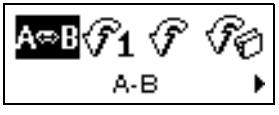


Figure 4-8

Depending on which mode you want, follow the corresponding step:

To shuffle all tracks once

Scroll Select the **Shuffle Once** icon.
The **Shuffle Once** icon appears onscreen and a track is selected at random and played back. Playback stops playing once all the tracks in your player are played back once.

To shuffle a folder once

Scroll Select the **Shuffle Folder** icon.
The **Shuffle Folder** icon appears onscreen and all tracks in the folder are selected at random and played back. Playback stops playing once all the tracks in the folder are played back once.

To Shuffle Repeat all tracks continuously

Scroll Select the **Shuffle Repeat** icon.

The **Shuffle Repeat** icon appears onscreen and tracks are selected at random and played back continuously until you stop playback.

Playing a track once

When the Track Once Play Mode is enabled, playback stops once the current track ends.

1. Press the Scroller.
   The Main Menu (Figure 4-9) appears.

Figure 4-9

2. Scroll Select the **Play Mode** icon. A list appears.
3. Scroll Select the **Track Once** icon (Figure 4-10).

   The **Track Once** icon appears onscreen. Playback stops once the track ends.

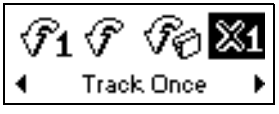


Figure 4-10

Normal mode

Once the "Normal" mode is enabled, each track is played back in a sorted order, from the first track to the last.

1. Press the Scroller.
   The Main Menu (Figure 4-11) appears.

Figure 4-11

2. Scroll Select the **Play Mode** icon. A list appears.
3. Scroll Select the **Normal** icon (Figure 4-12). All tracks play back normally.

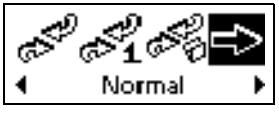


Figure 4-12

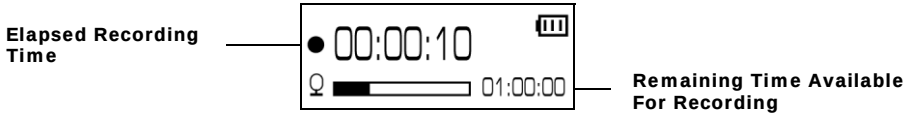
Voice Recording

A great NOMAD MuVo NX feature is its ability to record audio. Recorded audio is encoded directly into IMA ADPCM (at 8 kHz, 4-bit, Mono) file format.

When recording, note that the available recording time is determined by:

- available space in your player
- battery power remaining in your player

When recording, you will see the time available for recording. You will also see a bar showing you the elapsed recording time.



Making a voice recording

You cannot pause the voice recording.

To make a voice recording

1. Press the Scroller.
   Scroll Select the **Record** icon (Figure 4-13).
   The recording bar appears onscreen.

Figure 4-13

2. Press the **Play/Pause** button ►/II to start the recording.

Press the **Play/Pause** button ►/II again to end the recording. A name is automatically assigned to your recording and it is saved in your player.The naming convention typically used is: **VOC [Current File Number]**.

EQ Settings

Enhancing Your Music

Your player allows you to enhance your listening experience with EQ settings. EQ settings available in your player include:

- Normal
- Rock
- Pop
- Classical
- Jazz
- Custom EQ

You can use EQ settings with the audio being played back. This simple process is described in the following instructions.

1. Press the Scroller. The Main Menu (Figure 4-14) appears.

Figure 4-14

2. Scroll Select the **EQ** icon (Figure 4-15).

Figure 4-15

Depending on which EQ setting you want, follow the corresponding step:

To select Normal, Rock, Pop, Classical or Jazz

Scroll Select the EQ setting you want.
The selected EQ setting icon appears onscreen.

To define your own EQ settings

1. Scroll Select the **Custom EQ** icon. The **Custom EQ** screen (Figure 4-16) appears.

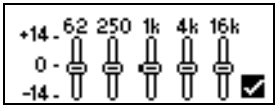


Figure 4-16

2. Five vertical control levers will appear in the display. Each lever represents successively higher frequencies that can be controlled. 62 Hz controls bass frequency, 250 Hz adjusts the low mid-range frequency, 1 kHz adjusts the mid-range frequency, 4 kHz adjusts the upper mid-range frequency and 16 kHz adjusts the treble frequency.
3. Scroll Select each vertical control level. Use the Scroller to move the control knob up or down to vary the amount of boost or reduction in the selected frequency range.
4. Scroll Select the check mark to exit the **Custom EQ** window.

Skipping Folders

This action skips the playback to a selected folder.

To skip to the next folder

1. Press the Scroller.
2. Scroll Select the **Skip Folder** icon (Figure 4-17).
3. Scroll to the folder that you want to skip to.
4. To resume normal playback, press the Scroller again.

Figure 4-17

Your player can only recognize up to one sub folder level in the root directory.

Deleting Tracks

This action permanently deletes tracks from your NOMAD MuVo NX.

To delete a track

1. In **Music** mode, select the track that you want to delete.
2. Press the Scroller.
3. Scroll Select the **Delete** icon (Figure 4-18). A list appears.

Figure 4-18

4. Scroll Select the **Delete** icon (Figure 4-19). The track's name appears onscreen and the track is permanently deleted from your player.

Figure 4-19

User Preferences

These features are only available in Music Mode and Voice Mode.

Your player offers many configuration options. You can

- change the LCD orientation
- specify contrast settings
- change the LCD screen's backlight duration
- specify how long the player remains inactive before it automatically shuts down
- select the default language
- access the information screen

1. Press the Scroller.
2. Scroll Select the **Settings** icon (Figure 4-20). A list appears (Figure 4-21).

Figure 4-20

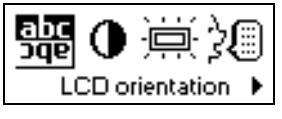
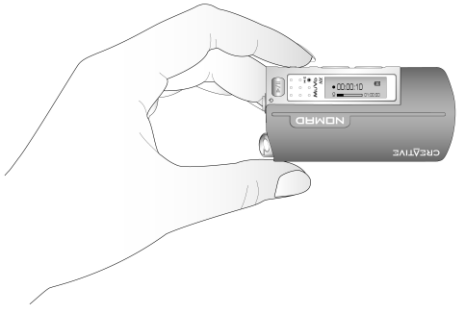


Figure 4-21

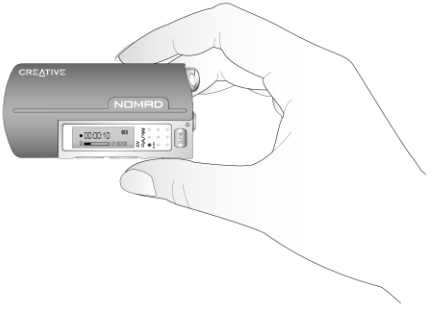
Depending on which configuration option you want, follow the corresponding step:

To rotate the LCD screen 180 degrees

Left-handed users may find this feature useful.



Using your left hand



Using your right hand

Scroll Select the **LCD Orientation** icon abc. The LCD screen rotates 180 degrees (Figure 4-22).

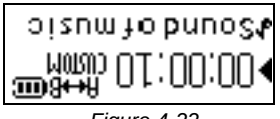


Figure 4-22

To set the contrast level for your player's screen

1. Scroll Select the **Contrast** icon. The **Contrast** screen (Figure 4-23) appears.
2. Use the Scroller to increase or decrease the LCD contrast. The lower the number, the lower the LCD contrast.

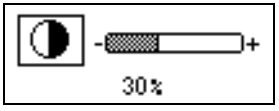


Figure 4-23

To adjust the screen backlight duration

1. Scroll Select the **Backlight** icon.
2. Scroll Select the backlight duration or disable it. A lower number setting conserves battery power for longer playback time.

To specify how long the player remains inactive before it automatically shuts down

1. Scroll Select the **Idle Shutdown** icon.
2. Scroll Select the duration you want the player to wait before automatically shutting down.

To change the default language

1. Scroll Select the **Language** icon.
2. Scroll Select the language that you want.

To view firmware version, total storage space, remaining available space and track count

1. Scroll Select the **Information** icon.

Locking and unlocking your Player

Locking your NOMAD MuVo NX will disable all buttons on the player. This feature is useful when you do not want any buttons (for example, **Pause**) pressed accidentally.

If you press a button while the player is locked, a popup window appears for you to unlock the player. This popup disappears if you don't use the Scroller to make a selection after five seconds.

To lock your player

1. Press the Scroller.
2. Scroll Select the **Lock** icon (Figure 4-24). The player is locked.

Figure 4-24

To unlock your player

1. Press any button. A popup appears (Figure 4-25).
2. Scroll Select the **Unlock** icon. The player is unlocked.

Figure 4-25

Formatting Your Player

Windows 98 SE users must install the NOMAD MuVo NX drivers before formatting the player. For more information on driver installation, see "Installing Drivers and Software" on page 2-3".

Windows 2000 and Windows XP users must select FAT only in the Format F:\ dialog box before formatting the player.

If you need to format your player, backup the files in your player first. When you format your player, all songs and files will be deleted. By default, your player is already formatted.

1. Connect your player to your computer's USB port using the supplied USB cable.
2. Launch Windows Explorer on your computer. Your player is recognized as a Removable Disk in Windows Explorer.
3. Right-click the **Removable Disk** icon and click the **Format** option. The **Format F:** dialog box appears (replace **F:** with the drive letter of your player).
4. Follow the onscreen instructions to format your player.

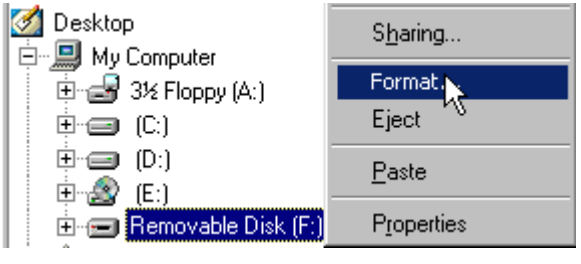


Figure 4-26

5. After the formatting is complete, make sure you stop your player before disconnecting it from your computer. See "Usage" on page C-3 for instructions on stopping your player.

For more information about using Windows Explorer, refer to its online Help.

A Technical Specifications

Technical Specifications

Size	❑ 36.7 mm (L) x 74.0 mm (H) x 16.0 mm (W)
Weight	❑ 31.5 g (without the battery) or 43 g (with a AAA battery)
Capacity	❑ 128 or 256 MB built-in memory
Battery type	❑ One Alkaline AAA size battery
Battery Life (playback time)*	❑ MP3 128 kbps, up to 11 hours of continuous playback from new AAA alkaline atteries. ❑ WMA 64 kbps, up to 9 hours of continuous playback from new AAA alkalinebatteries. The following may reduce the playback time: • skipping, fast forward or reverse during playback • using passive speakers or high-power headphones • long backlight timeout setting (more than 10 secs) • playback of .WMA files with a high bitrate and/or heavy bass
Interface	❑ USB 1.1
Playback Formats	❑ MP3 (at 8, 11.025, 12, 16, 22.05, 24, 32 and 44.1 kHz) ❑ WMA (at 16, 22.05, 24, 32 and 44.1 kHz)
Voice Recording Formats	❑ IMA ADPCM (at 8 kHz, 4-bit, Mono)

* *Battery life estimated for playback of tracks encoded at 128 kbps.*

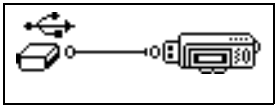
Signal to Noise Ratio	❑ >90 dB (Headphones)
Channel Separation	❑ >63 dB (Headphones)
Frequency Response	❑ 20 Hz~20000 Hz
Harmonic Distortion	❑ <0.05%
Operating System/ Firmware	❑ Upgradeable via Internet
Headphone Out	❑ 1/8" stereo minijack, 5~7 mW
LCD Display	❑ Large 96 x 32 pixel, blue EL backlit display
Data Connector	❑ USB 1.1
Firmware Support**	❑ Upgradeable

** *Firmware upgrades are available from* ***www.NOMADworld.com***

B Onscreen Diagram and Icon Guide

Onscreen Diagram and Icon Guide

Information Diagrams

Diagram	Action/Meaning
	❍ your player is connected to your computer. To use your player, disconnect it from your computer.
	❍ files are being transferred to your player.

Playback Icons

The following icons appear onscreen when the associated playback action is used.

Icon	Action/Meaning
▶	❍ Play
❚❚	❍ Pause
■	❍ Stop
▶▶	❍ Forward
◀◀	❍ Reverse
▶❙	❍ Skip forward
❙◀	❍ Skip back

Play Mode Icons

Icon	Action/Meaning
	❍ Repeat Track
	❍ Repeat Folder
	❍ Repeat All
	❍ Shuffle Once
	❍ Shuffle Repeat
	❍ Shuffle Folder
	❍ Track Once
	❍ Repeats a selected section of a track

Error Diagrams

If an error occurs, you may see the following diagram, indicating the general nature of the problem.

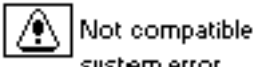
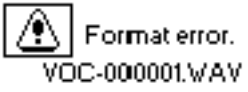
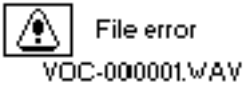
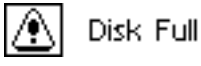
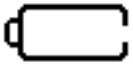
Diagram	Likely Causes	Suggested Action
	❍ physical defects ❍ numerous high-impact shocks	❍ call Technical Support
	❍ unexpected power loss while saving settings	❍ download a newer firmware version ❍ reload firmware ❍ call Technical Support
	❍ player is unable to perform the selected task (for example, deleting a file)	❍ clear your player's memory ❍ call Technical Support
	❍ unsupported file system ❍ corrupted file system	❍ check that the file system you have selected during formatting is FAT only ❍ use ScanDisk to check your player

Diagram	Likely Causes	Suggested Action
	❍ unsupported file format	❍ check that the file you are trying to play back is a .WMA, .MP3 or recorded voice file
	❍ corrupted audio file	❍ check that your recorded voice file is not corrupted ❍ clear your player's memory
	❍ the player's low remaining storage space will be depleted; recording cannot proceed	❍ delete some files
	❍ battery is depleted, player cannot start up	❍ insert a new battery

C Frequently Asked Questions and Troubleshooting

FAQs and Troubleshooting

AutoPlay

What do I do when the installation does not start automatically after the Installation CD is inserted?

The AutoPlay feature in your Windows system may not be enabled.

To start the installation program through the My Computer shortcut menu

1. On your Windows desktop, double-click the **My Computer** icon.
2. Right-click the CD-ROM drive icon, and then click **AutoPlay**.
3. Follow the onscreen instructions.

To enable AutoPlay through Auto Insert Notification

4. Click **Start** -> **Settings** -> **Control Panel**.
5. Double-click the **System** icon. The **System Properties** dialog box appears.
6. Click the **Device Manager** tab and select your CD-ROM drive.
7. Click the **Properties** button.
8. Click the **Settings** tab, and then select **Auto Insert Notification**.
9. Click the **OK** button.

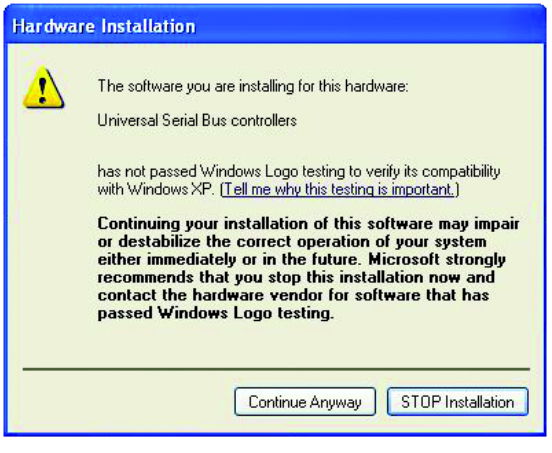
To start the installation program through Windows Explorer

1. in Windows Explorer, search and locate the **d:\ctrun** folder (replace **d:** with the drive letter of your CD-ROM drive).
2. Double-click the **ctrun.exe** file.

General

Where can I get official information on all NOMAD products?
Visit NOMADworld for updates and downloads relating to all NOMAD products, Creative's MP3 players and accessories.
Visit **www.NOMADworld.com**.

Windows XP tells me that the software for the player is not certified. What do I do?
At the time of this product's release, Microsoft strongly encouraged companies to submit their hardware solutions for certification. If a hardware device driver is not submitted, or does not qualify, for Microsoft certification, a warning message similar to the one below appears.


Hardware Installation
The software you are installing for this hardware:
Universal Serial Bus controllers
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

You may see this message when installing this driver or update. If you do, you may choose to click the **Continue Anyway** button. Creative has tested this driver or update on Windows XP, and it does not impair or destabilize your computer.

Usage

After playing a sequence of tracks, the player skips a track.

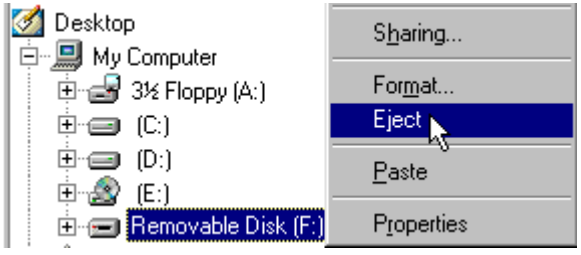
The player will only play valid formats (.MP3, .WMA or .WAV recordings). Other types of files will be skipped.

Files/tracks are corrupted when transferred to the player.

Transfer may have been interrupted. Before disconnecting your player from your computer, make sure that you stop your player properly first.

To stop your player in Windows 98 SE

- In Windows Explorer, right-click the **Removable Disk** icon, click the **Eject** option, and disconnect your player when you are prompted to do so.



To stop your player in Windows 2000, Windows Me or Window XP

- Click the **Safely Remove Hardware** icon on the Taskbar, click **Safely remove USB Mass Storage Device**, and disconnect your player when you are prompted to do so.

The player turns off immediately after it is turned on.

Do one or more of the following:

- format your player. For more information, refer to "Formatting Your Player" on page 4-18.
- check that the batteries used are not depleted.

File transfers to the player are very slow (less than 100 kb/sec).

Try formatting your player. For more information, refer to "Formatting Your Player" on page 4-18.

Can I use the NOMAD MuVo NX for portable data storage?

Yes, you can.

I have to change the battery quite often. Is there anything I can do to make it last longer?

Some operations consume more battery power:

- a long backlight timeout setting. A shorter timeout conserves battery power.
- a high contrast setting. Position the player so that you can read the display without using a high contrast setting.
- too much use of fast forward/reverse.
- turning the player on/off too many times.
- use of passive speakers or high-powered headphones.
- playback of .WMA files

Digital Rights Management

Can I play DRM-protected WMA files on my Nomad MuVo NX?

WMA files protected by Digital Rights Management (DRM) are unsupported by this model.

CREATIVE